Midelehols.

December 11, 1956

Dear Gardner:

We've just run into something that I thought would be of particular interest tonyou:

E. coli protoplasts (in the presence of penicillin) remain sensitive to streptomycin, whether they are genotypically Ss or Sr.

This suggests that the Sr phenotype is a function of the wall, perhaps permeation of the drug, It is also known that Sd mutants form "large bodies" in the absence of the drug, which suggests another wall connection. We're following this up now.

At any rate, this suggests the possibility of overcoming genetic resistance by the use of agents which impair permeability-barriers. I don't know what best to suggest, perhaps even penicillin, for To, but I thought you were the most likely person to think how to exploit this possibility.

Yours sincerely, and

With best wishes,

Joshua Lederberg

P.S. Saw you on TV. You obviously enjoyed it immensely. Perhaps you've thought, you'd missed your profession.

also sent message to